Compensation and Pension Records Interchange (CAPRI) Deployment, Installation, Back-Out, and Rollback Guide

October 2021

Version 2.03

Department of Veterans Affairs

Office of Information and Technology (OI&T)

Revision History

Date	Version	Description	Author
10/08/2021	2.03	Updated for DVB*2.7*.227 release. Adding Re-Route functionality. Adding section 4.10.1 for CAPRI News and SharePoint Initialization	Liberty IT Solutions, a Booz Allen company
06/30/2021	2.02	Updated for DVB*2.7*.226 release.	Liberty IT Solutions
12/01/2020	2.01	Updated for DVB*2.7*.224 release. All references have been updated to reflect current release. Section 3 – New Timeline	Liberty IT Solutions
10/12/2020	2.0	Updated sections from beginning through 4.3 for patch 223. Removed sections no longer needed for Windows 7 font size and Microsoft Imaging for Windows 7.	Liberty IT Solutions
03/02/2020	1.15	Updated for patch 220	Liberty IT Solutions
03/02/2020	1.14	Updated for patch 212	Liberty IT Solutions
09/18/2019	1.13	Updated versioning control to 212.7	Liberty IT Solutions
09/01/2019	1.12	Section 3. Added Note: 'VistA Patch DVBA*2.7*223 must be installed in all production VistA systems before CAPRI GUI v2.7.223.6 is installed.' Section 3.1 Timeline: Revised Installment and Deployment Timeline information. Added 'Suggested Deployment Schedule' to text. Section 4.10.4 CAPRI Graphical User Interface (GUI) Verification Procedure: • Figure 11: New CAPRI Splash screen • Figure 13: New CAPRI About Splash screen Section 4.11 Back-Out: Updated Back-Out Procedure Global: Revised date on Title page and in footers to September 2019	Liberty IT Solutions
03/29/2019	1.11	Page 20, Section 12.1, Added CAPRI Remote Procedure Calls Logger section	Liberty IT Solutions
02/19/19	1.10	Page 34, under Appendix A, added a new Remote Procedure Call: DVBA CAPRI GET EDIPI Page 10, under 6.1 CAPRI GUI Client Software, revised 193.11 to 209	Liberty IT Solutions
05/24/18	1.9	Updated sections 2.2.2.1. and 2.2.3. The JLV tab replaced the VistAWeb tab in GUI version DVBA*2.7*193.12, so references to VistAWeb were removed. Updated section 2.2.1.1. Replaced reference to VistAWeb with JLV. Replace Remedy with ServiceNow DoD Tab has been disabled, and all references to DoD have been removed from the document. Removed DataFlow Diagram from Section 3. Added description for Joint Legacy Viewer (JLV) function (Section 2.2.3).	Liberty IT Solutions

Date	Version	Description	Author
		Section 8.2, updated last paragraph with revisions from 1st Review. Updated formatting for Appendix A. Updated Dates to May on title page and in footers.	
4/16/2018	1.8	URL to include descriptions for all values. Updated Appendix A, RPC parameter DVBAB GET	Liberty IT Solutions
09/30/15	1.7	Updated Appendix A	Liberty IT Solutions
3/05/2015	1.6	Updated various sections based on stakeholder feedback.	Liberty IT Solutions
2/25/2015	1.5	Updated Appendix A	Liberty IT Solutions
12/4/2014	1.4	Updated section 7.8 with a new screen shot	Liberty IT Solutions
9/9/2014	1.3	Updated section 15.2 to only contain VDL link to CAPRI	Liberty IT Solutions
4/9/2014	1.2	Updated CAPRI Distribution File listing	Liberty IT Solutions
3/25/2013	1.1	Updated sections 5 and 7.4 with changing the CLAIMS server FQDN from CLAIMS.FORUM.VA.GOV "to" CLAIMS.MED.VA.GOV on 03/25/2013	Liberty IT Solutions
7/10/2012	1.0	Initial Publication	Liberty IT Solutions

Artifact Rationale

This document describes the Deployment, Installation, Back-out, and Rollback Plan for new products going into the VA Enterprise. The plan includes information about system support, issue tracking, escalation processes, and roles and responsibilities involved in all those activities. Its purpose is to provide clients, stakeholders, and support personnel with a smooth transition to the new product or software, and should be structured appropriately, to reflect particulars of these procedures at a single or at multiple locations.

Per the Veteran-focused Integrated Process (VIP) Guide, the Deployment, Installation, Back-out, and Rollback Plan is required to be completed prior to Critical Decision Point #2 (CD #2), with the expectation that it will be updated throughout the lifecycle of the project for each build, as needed.

Table of Contents

1. Introduction

This document describes how to deploy and install the Compensation and Pension Record Interchange (CAPRI), as well as how to back-out the product and rollback to a previous version or data set. This will include installation of CAPRI Patch DVBA*2.7*227

and a corresponding client (GUI) application. This document is a companion to the project charter and management plan for this effort. In cases where a non-developed COTS product is being installed, the vendor provided User and Installation Guide may be used, but the Back-Out Recovery strategy still needs to be included in this document.

1.1. Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom CAPRI will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. The plan also identifies resources, communications plan, and rollout schedule. Specific instructions for installation, back-out, and rollback are included in this document.

1.2. Dependencies

CAPRI is a system that gives Veterans Benefits Administration (VBA) claims processors and others access to compensation and pension examinations, clinical documents, and reports vital to process benefits claims. CAPRI consists of VistA patch DVBA*2.7*227 and a client application (GUI). Installation requires the following prerequisites:

- VistA Patches (for VHA only)

    The following is a list of REQUIRED builds for this KIDS distribution (DVBA*2.7*227). KIDS will not allow the installation of this patch without their prior installation.

    Required Builds:
    DVBA*2.7*226

- Approved release from the VIP Triad.

- Test site sign-off from VBA Beta Sites and VHA IOC Sites.

- VIP Release Review Approval for Patch DVBA*2.7*227.

1.3. Constraints

The VistA component of CAPRI will be installed into all instances of VistA. The client (GUI) will be installed on the Windows-based workstations of CAPRI's users according to local policies and procedures. Since the VistA component will make changes to the 2507 Requests File (#396.3) in VistA and since the existing client (GUI) is incompatible with those changes, the new client (GUI) must roll out to VBA first to ensure backwards-compatibility with the old database format and to minimize disruption to VBA's business processes.

There are no identified constraints to the installation of this VistA component of CAPRI.

2. Roles and Responsibilities

This section describes the teams who perform the steps described in this deployment plan.

Deployment and installation activities are performed by representatives from the teams listed in the following table. This phase begins after the solution design (including deployment topology) is complete. Design activities are not included in this phase.

Team	Phase / Role	Tasks	Project Phase (See Schedule)
CAPRI Development Team	Deployment	Plan and schedule deployment	Deployment
CAPRI Development Team	Deployment	Develop O&M Plan	Deployment
Release Readiness	Testing	Conduct VIP Release Review Approval	Testing
Test Sites	Testing	IOC and BETA Tests Patch DVBA*2.7*227	Testing
VBA/VHA Business Offices	Deployment	Develop Communications Plan and key messages well in advance	Deployment
Health Product Support	Testing	Review Patch DVBA*2.7*227	Testing
Health Product Support	Deployment	Release Patch DVBA*2.7*227 nationally	Deployment
Regional PM/FIS/OPP PM	Installation	Ensure authority to operate and that certification and authorization (C&A)/security documentation is in place	Installation
Infrastructure Operations	Installation	Install the patch as scheduled	Installation

Table 1 Deployment Roles and Responsibilities

3. Deployment

NOTE: VistA Patch DVBA*2.7*227 must be installed in all production VistA systems before CAPRI GUI v2.7.227 is installed.

Deployment and installation of the Compensation and Pension Record Interchange (CAPRI) is planned as follows:

1 **National Release: 06/30/21 – 07/29/21** VistA Patch DVBA*2.7*227 v11 will be deployed to all 130 instances of VistA within a 3-day compliance period followed by a 27-day deployment of CAPRI GUI DVBA*2.7*227.2.

NOTE: CAPRI GUI V2.7 227 requires a Version Control check against VistA patch DVBA*2.7*227 Version Control file that will ensure that all VA Sites and CAPRI Users will be operating under CAPRI GUI v2.7 227 after DVBA*2.7*227 has been installed.

NOTE: CAPRI GUI v2.7.227 is NOT backward compatible with VistA patch DVBA*2.7*226. It is recommended that CAPRI VistA patch DVBA*2.7*227 be installed on all VistA production instances BEFORE CAPRI GUI v2.7.227 in order to minimize and avoid disruptions of service to the CAPRI National or Remote Users.

The release of the patch will be performed by Health Product Support (HPS) members, supported by the CAPRI project team, along with representatives from peer organizations. The installation will be performed by Local, VISN, or Regional IT support personnel.

3.1. Timeline

The installation and deployment runs for 90 days, which includes a warranty period to monitor for defects. The approximate timeline for this effort is shown in the table below:

Phase	Activity	Start	Finish
General Release	IOC Testing	8/9/21	9/2/21
	National Implementation	9/6/21	10/25/21
	Warranty Period	8/9/21	11/9/21
(Dates shown are subject to change due to unforeseen circumstances.)			

Table 2 CAPRI Patch DVBA*2.7*227 Deployment Timeline

Suggested Deployment Schedule:

- Day 3: Install DVBA*2.7*227 into all the production VistA systems (CAPRI GUI v2.7.227.2 is compatible with that VistA patch)
- After the 3rd business day: Deploy CAPRI GUI v227 enterprise wide (VBA, National and VHA C&P).

3.2. Site Readiness Assessment

This deployment will enhance the capabilities of the existing CAPRI system. This section discusses the locations that will receive the upgrades to the CAPRI system.

3.2.1 Deployment Topology (Targeted Architecture)

Implementation of CAPRI Patch DVBA*2.7*227 has two components:

1. The VistA component of the new version needs to be installed into all instances of VistA. All facilities will use their established local procedures to install the new software.
2. The client (GUI) application needs to be installed onto all user workstations so that VBA and VHA users may access the client from their government computer workstations.

Additionally, a nationally released patch updates the files in VistA and only affects the Users with the appropriate CAPRI menu options in VistA.

3.2.2   Site Information (Locations, Deployment Recipients)

The new version of CAPRI's VistA patch (DVBA*2.7*227) will be installed across the entire VA Enterprise for all CAPRI Users to all instances of VistA. The GUI component will install on all user workstations. All facilities in Regions 1-5 will use established location procedures to install the new software.

The following test sites are participating in the testing of the CAPRI GUI v227 and DVBA*2.7*227. server software:

- Test Sites:

Type	Site
VHA	**Tampa VAMC** **MIN VAMC**
VBA	**St. Petersburg** **San Diego** **WACO**

Table 3 Test Sites

NOTE: The test sites used may change based on a site's willingness to participate, workload, and other factors. Sites listed in **boldface type** are expected to be primary ("Alpha") testers. Other sites listed are secondary ("Beta") testers who will help us uncover any hidden defects before we release nationally.

3.2.3   Site Preparation

The following table describes preparation required by the site prior to deployment.

Site/Other	Problem/Change Needed	Features to Adapt/Modify to New Product	Actions/Steps	Owner
All	Create backups	N/A	N/A	Local facility, VISN, or Region
All	Install new software (GUI)	Installation script(s)	If applicable, each facility should create scripts to remove the old client (GUI) software and to install the new version on their user workstations.	Local facility, VISN, or Region

Table 4 Site Preparation Resources

This section describes the resources needed for deployment and installation.

3.2.4   Hardware

There are no new hardware requirements for this software update.

3.2.5   Software

The following list describes software specifications required at each site prior to deployment. The corresponding GUI requires a Windows-based workstation for each user.

Associated patches that must be installed BEFORE `DVBA*2.7*227:
CAPRI DVBA*2.7*226

Table 5 Software Specifications

Please see the Roles and Responsibilities table in Section 2 above for details about who is responsible for preparing the site to meet these software specifications.

3.2.6   Communications

This section describes the communications that need to occur to upgrade CAPRI:

1. The CAPRI Development Team will provide the GUI associated with Patch DVBA*2.7*227 to VBA Region 5, who in turn will follow their procedures to notify users and to install the new GUI on all user workstations in the Region.

2. The CAPRI Development Team will provide the GUI associated with Patch DVBA*2.7*227 to National CAPRI Users with critical business needs (such as the Veterans Crisis Line and Health Resource Center), who in turn will follow their procedures to notify users and to install the new GUI on all user workstations in the Region.

3. The CAPRI Development Team will provide the installation files to VHA and other users (see Section 4). We will work with VHA to proactively notify users to the maximum extent possible, but it is recognized and understood that we may not reach everyone prior to installation of the VistA patch.

4. We will work with representatives from Health Information Access (HIA) to notify all National CAPRI Users about the need to upgrade the GUI. However, many of these users do not fall under a single administrative umbrella. It is therefore recognized and understood that we may not reach everyone.

5. The CAPRI Deployment Team will conduct weekly status conference calls and ad-hoc calls with test sites and stakeholders to provide status and answer questions.

4. Installation

This section describes how to install CAPRI.

NOTE: CAPRI GUI V2.7 227 requires a Version Control check against VistA patch DVBA*2.7*227 Version Control file that will ensure that all VA Sites and CAPRI Users will be operating under CAPRI GUI v2.7 227 after DVBA*2.7*227 has been installed.

4.1. Pre-installation and System Requirements

The installation of the patch will be introducing new files, updating routines, parameters, remote procedure calls, and options.

1. Choose the PackMan message containing this patch.

2. Choose the INSTALL/CHECK MESSAGE PackMan option.

3. From the Kernel Installation and Distribution System Menu, select the Installation Menu. From this menu, you may elect to use the following options. When prompted for the INSTALL NAME enter the patch DVBA*2.7*227:
   a. Backup a Transport Global - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DDs or templates.
   b. Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patches routines, DDs, and templates).

c. Verify Checksums in Transport Global - This option will allow you to ensure the integrity of the routines that are in the transport global.

4. From the Installation Menu, select the Install Package(s) option and choose the patch to install:

   a. When prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO/NO Select NO

   b. When prompted 'Want KIDS to INHIBIT LOGONs during the install? NO/NO Select NO

   c. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO/NO Select NO

5. If prompted 'Delay Install (Minutes): (0 – 60): 0//' respond 0.

6. If CAPRI GUI users have not already been upgraded to the new version of the CAPRI GUI v227 (CAPRI.exe [DVBA_27_227.ZIP]), they should be upgraded as soon as possible upon installation of this patch.

NOTE: Those at the site who require access to the re-route capabilities in CAPRI will need to manually be added to the DVBA C 2507 REROUTE MAILGROUP in order to successfully utilize the re-route functionality added in patch DVBA*2.7*227.

4.2. Platform Installation and Preparation

We do not anticipate difficulties with version incompatibility. Nevertheless, we recommend deploying the new VistA patch DVBA*2.7*227 into all 130 VistA production systems BEFORE deploying CAPRI GUI v2.7.227.2.

All sites should make sure that their test environments mirror the state of their production environments. This is important because it helps identify deficiencies (such as outdated or missing patches) when the new software is installed into the test environment rather than into the production environment.

4.3. Download and Extract Files

The CAPRI GUI client software can be obtained at location: /srv/vista/patches/Software
Other software files can also be obtained by accessing the URL:
https://download.vista.med.va.gov/index.html/SOFTWARE

Documentation can be found on the VA Software Documentation Library at:
https://www.va.gov/vdl/.

The following files will be available:

Required Distribution Files to Run the CAPRI Application

```
File Name                    Contents              Retrieval format
---------                    --------              ---------------
CAPRI GUI ZIP            DVBA_27_P227.ZIP          BINARY
```

```
Zip file contents:

        - CAPRI.exe              CAPRI v227 executable
        - CAPRI.map              CAPRI error map
        - CAPRI_Help.chm         CAPRI On-line Help
        - CAPRISession.rdox      MicroFocus Reflection session
                                 configuration
        - CapriTerminalEmulators.ini
        - DelZip192.dll          Delphi Zip file support files
        - DelZip192x64.dll       Delphi Zip file support files
        - libeay32.dll               VLER /DAS dynamically linked library
        - libgcc_s_dw2-1.dll     Support PDF compression and Linearization
        - libstdc++-6.dll        Support PDF compression and Linearization
               - qpdf.exe            Support PDF compression and Linearization
        - qpdf13.dll             Support PDF compression and Linearization
        - ssh_config             Secure Shell configuration
        - Ssleay32.dll           VLER /DAS dynamically linked library
        - Tutil32.dll            Windows O/S support files
        - UnzDll.dll                 Delphi Unzip support files
        - VACAPRIVVA.dll         Virtual VA dynamically linked library
```

Optional Distribution Files that Contain Important User Info

```
DVBA_27_227_ISG.pdf        GUI Installation Supplemental Guide
DVBA_27_227_RN.pdf         Patch Release Notes          BINARY
DVBA_27_227_UM.pdf         Updated CAPRI User Manual    BINARY
DVBA_27_227_Sys_Adm.pdf    SAT GUIDE                    BINARY
```

File Name	Description
DVBA_27_P227_1.ZIP	GUI Install Archive (compressed archive containing executables, where *nn* is the final version number)

Table 5 Files to Download

4.4. Database Creation

N/A

4.5. Installation Scripts

Patch installers will follow their local procedures to install the software in accordance with the Installation Guide.

4.6. Access Requirements and Skills Needed for the Installation

Installation of VistA Patch DVBA*2.7*227 requires VistA programmer access.

Installation of the GUI requires administrator rights on the user workstation.

Some sites utilize shortcut folders on users' desktops with icons that point to a CAPRI installation on a server.

NOTE: CAPRI GUI V2.7 227.2 requires a Version Control check against VistA patch DVBA*2.7*227 Version Control file that will ensure that all VA Sites and CAPRI Users will be operating under CAPRI GUI v2.7 227.2 after DVBA*2.7*227 has been installed.

4.7. Additional Installation Files

In addition to the executable file, there are other files included with the CAPRI installation zip. The general purpose of these files and where they need to be located are as follows:

4.7.1 VACAPRIVVA.dll

The VACAPRIVVA.dll file is a dynamic link library that provides the web services client interface for the Virtual VA web service, which was added in patch DVBA*2.7*181. **Important: CAPRI will not function without this file.**

- VACAPRIVVA.dll is required for CAPRI to function.
- VACAPRIVVA.dll must be located in the same directory as the CAPRI executable (CAPRI.exe).

The following dialog box displays when CAPRI cannot find the VACAPRIVVA.dll file.
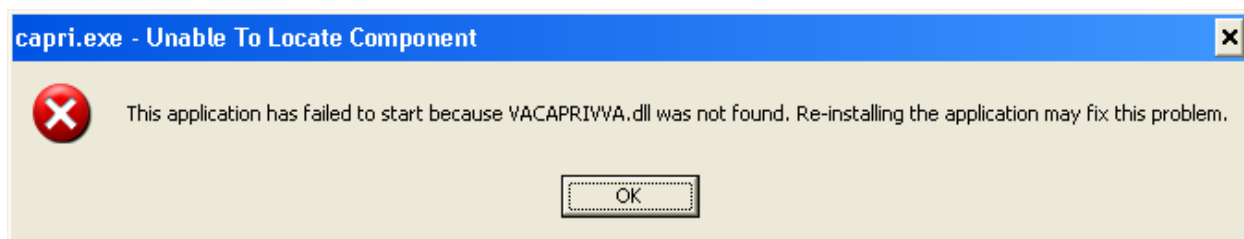
Figure 1. Missing File Alert

4.7.2 LIBEAY32.DLL & SSLEAY32.DLL

Libeay32.dll and Ssleay32.dll are dynamic link libraries that provide the web services client interface for the VLER/DAS web service, which was added in patch DVBA*2.7*187. **Important: CAPRI requires these files to transfer exam data to VLER/DAS.**

- Libeay32.dll and Ssleay32.dll are required for exam data transfer to VLER/DAS.
- Libeay32.dll and Ssleay32.dll must be located in the same directory as the CAPRI executable (CAPRI.exe).

4.7.3 QPDF.EXE, QPDF13.DLL, LIBGCC_S_DW2-1.DLL & LIBSTDC++-6.DLL

QPDF.exe, QPDF13.DLL, LIBGCC_S_DW2-1.DLL & LIBSTDC++-6.DLL are files that support PDF Compression and Linearization. PDF Compression reduces the file size of the PDF

Exam Results included in transmissions between CAPRI and VLER/DAS. Smaller file sizes reduce transmission times.

- QPDF.exe, QPDF13.dll, Libgcc_s_dw2-1.dll and Libstdc++-6.dll are required for PDF compression when sending exam data to VLER/DAS.

- QPDF.exe, QPDF13.dll, Libgcc_s_dw2-1.dll and Libstdc++-6.dll must be located in the same directory as the CAPRI executable (CAPRI.exe).

4.7.4   CAPRI_Help.chm

The CAPRI_Help.chm file contains the on-line help functionality.
CAPRI_Help.chm is not required for CAPRI to function, but its presence is recommended
CAPRI_Help.chm should be located in the same directory as the CAPRI executable (CAPRI.exe)
If CAPRI is setup to run from a disk drive that is not local to the workstation, CAPRI should be given write permissions to the "TEMP" folder of the workstation. If the TEMP folder is not writable for any reason, the on-line help functionality may not work properly.

4.7.5   CAPRI.map

The CAPRI.map file contains a list of error addresses and source code line numbers that CAPRI utilizes to provide more detailed information to the development team when an error occurs in CAPRI.
CAPRI.map is not required for CAPRI to function, but its presence is recommended
CAPRI.map should be located in the same directory as the CAPRI executable (CAPRI.exe)

4.7.6   CAPRISession.rdox

- CAPRISession.rdox is a Micro Focus Reflection configuration file. It configures Reflection to terminate when a terminal session disconnects.

- CAPRISession.rdox is used for the new Micro Focus Reflection application

- CAPRISession.rdox is not required for CAPRI to function, but its presence is recommended

- CAPRISession.rdox should be located in the same directory as the CAPRI executable (CAPRI.exe)

4.7.7   CAPRITerminalEmulators.ini

- CAPRITerminalEmulators.ini is a Micro Focus Reflection configuration file. It tells CAPRI where the Micro Focus Reflections application is installed.

- CAPRITerminalEmulators.ini should be located in the same directory as the CAPRI executable (CAPRI.exe)

4.7.8   ssh_config

The ssh_config file provides the parameters used by Micro Focus Reflection Secure Shell to configure PC-to-host security options. CAPRI does not require this file for most functions, but it is required when establishing Reflection Secure Shell terminal sessions using the "Vista" button.

The directory location of the ssh_config file:
        C:\Program Files (x86)\Micro-Focus\Reflection

NOTE: The target folder for ssh_config is typically hidden on most systems.

To show hidden files and folders on Windows 7, perform the following steps:

1. Click the Start button

2. Click Control Panel

3. Click Appearance and Personalization

4. Click Folder Options

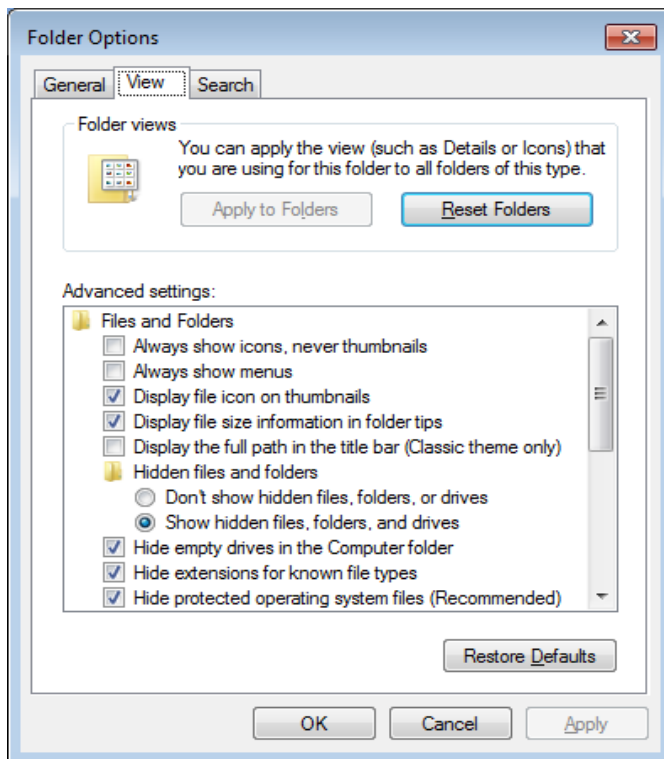5. In the Folder Options dialog, select the "View" tab

6. Select "Show hidden files and folders," and then click OK

Figure 2. Show Hidden Files

4.8 CAPRI Configuration for Windows 7 and Non-standard Reflection Installations

Prior to launching Reflection, CAPRI searches the directory path that contains the CAPRI executable (CAPRI.exe) for an optional plain text configuration file named "CapriTerminalEmulators.ini." The purpose of the configuration file is to specify an alternate

path that contains the Micro-Focus Reflection executable (Attachmate.Emulation.Frame.exe). If CAPRI does not detect the configuration file, CAPRI assumes that the Reflection executable exists in the default Windows XP Reflection installation path: "C:\Program Files (x86)\Micro-Focus\Reflection."

Windows 7 Installation

NOTE: Sites that run a mixture of Windows XP and Windows 7 workstations and access the CAPRI executable from a central location, such as a share drive or terminal server, must create a new directory on the share to contain the CAPRI executable and the configuration file. Windows 7 users should access the CAPRI executable from the new directory, while Windows XP users should continue to access the CAPRI executable from the original directory.

The example "CapriTerminalEmulators.ini" configuration file provided with patch DVBA*2.7*180 is configured to provide support for the default installation path of Micro Focus Reflection on a Windows 7 workstation. Place the configuration file in the same directory that contains the CAPRI executable.

Alternatively, use the following procedure to create the configuration file:

Create the configuration file named "CapriTerminalEmulators.ini" using a plain text editor, such as Notepad. Populate the configuration file with the following three lines:

```
[Config]
ApplicationLegacy=C:\Program Files (x86)\Attachmate\Reflection\R2win.exe
Application="C:\Program Files (x86)\Micro
Focus\Reflection\Attachmate.Emulation.Frame.exe"
```
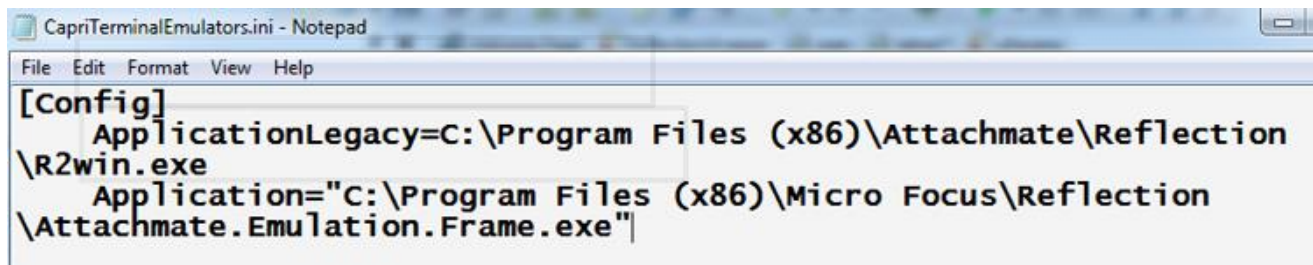

Figure 3. Config File for Standard Reflection Installation

NOTE: Save the file and place it in the same directory that contains the CAPRI executable.

Non-standard Reflection Installations

If Reflection is installed in an alternate location, CAPRI can be configured to accommodate this. In order to do this, one should create a file named "CapriTerminalEmulators.ini" in the directory that contains the "CAPRI.exe" file. In this file, one should specify the location of the

"Attachment.Emulation.Frame.exe." For example, in order to specify a Reflection installation located in "C:\My Files\Attachmate\Reflection," the CAPRITerminalEmulator.ini should contain the following lines:

```
[Config]
    ApplicationLegacy=C:\My Files\Attachmate\Reflection\R2win.exe
    Application="C:\My Files\Attachmate\Reflection\Attachmate.Emulation.Frame.exe"
```
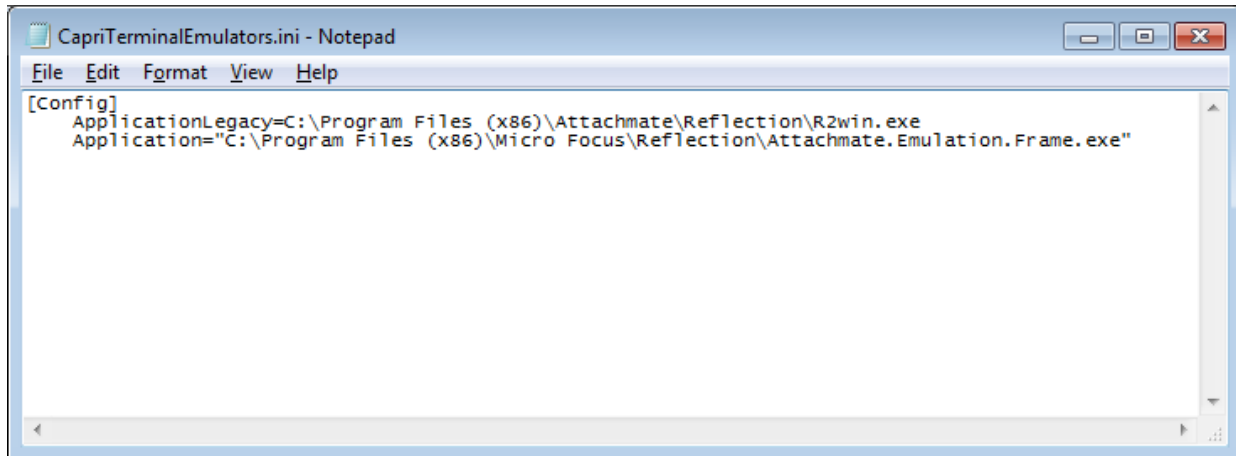

Figure 4. Config File for Non-Standard Reflection Installation

4.9   Micro Focus Reflection

CAPRISession.rdox is the configuration file for the Reflection application.

NOTE: If your site uses a non-standard Reflection installation, the CAPRITerminalEmulators.ini file will need to be updated to reflect the value currently used at your site.
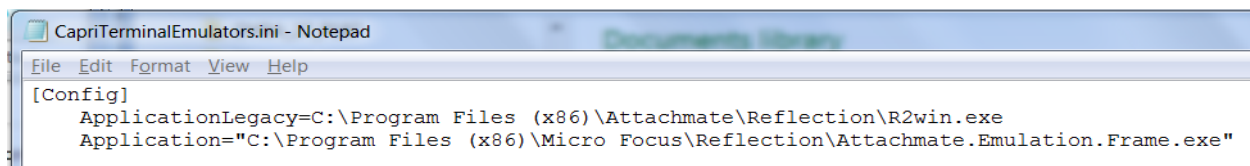
Figure 5. New CapriTerminalEmulators.ini file format

```
[Config]
   ApplicationLegacy=C:\Program Files (x86)\Attachmate\Reflection\R2win.exe
   Application="C:\Program Files (x86)\Micro
   Focus\Reflection\Attachmate.Emulation.Frame.exe"
```

If your site has a non-standard Reflection location, the ApplicationLegacy line will need to be updated to reflect the value currently used at your site. In the example below, **C:\My Files\Attachmate\Reflection** was the non-standard site. That value will need to be updated on the ApplicationLegacy line – shown below.
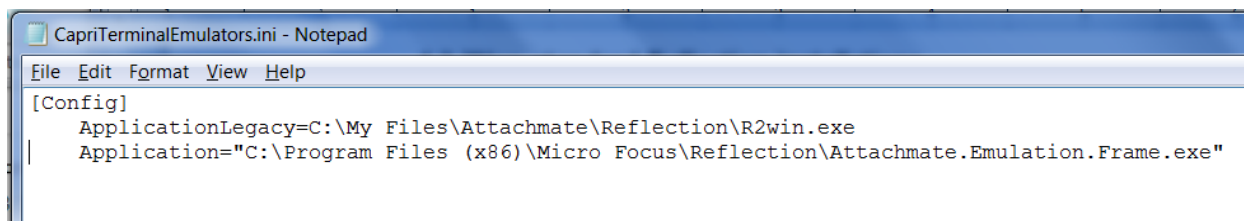
Figure 6. New CapriTerminalEmulators.ini with existing non-standard Reflection location

```
[Config]
  ApplicationLegacy=C:\My Files\Attachmate\Reflection\R2win.exe
  Application="C:\Program Files (x86)\Micro
  Focus\Reflection\Attachmate.Emulation.Frame.exe"
```

4.10. CAPRI GUI Launch

4.10.1 CAPRI News/SharePoint Initialization

Users will be notified the first time they access CAPRI, after DVBA*2.7*227.2 is installed, that SharePoint initialization is required (Figure 7). This is to establish the connection to the SharePoint location of where news items being displayed in CAPRI are stored. Once the user accepts the message, their default browser will open and the SharePoint site will be displayed (Figure 8).
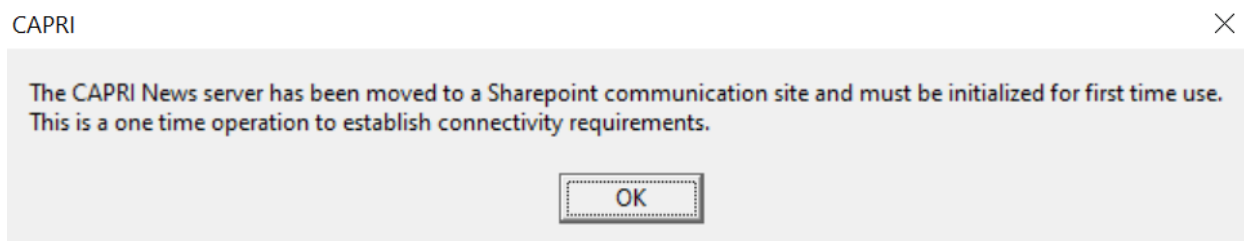
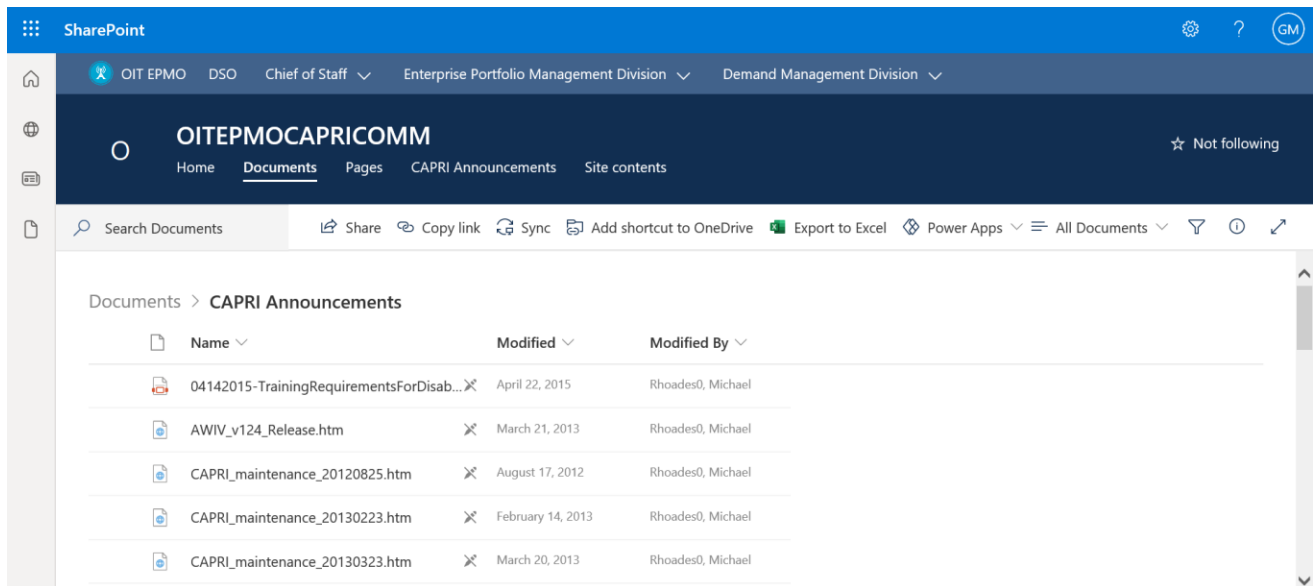**Figure 7. CAPRI News Server SharePoint Initialization**

Figure 8. CAPRI News Server SharePoint

Once SharePoint access has been established, the user will be notified, and CAPRI will close once the message has been accepted (Figure 9). CAPRI will no longer prompt the user to establish their SharePoint access and the News will be available the next time CAPRI is launched.
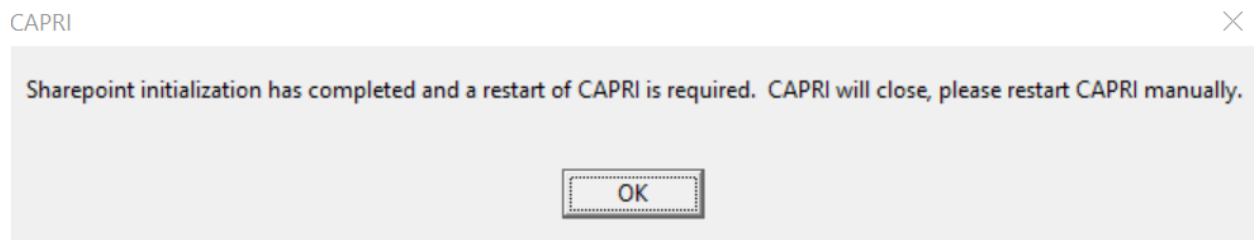

Figure 9. CAPRI News SharePoint Initialization Complete

4.10.2 Shared Network Drive or CAPRI access via CPRS Installations

If your site installs CAPRI on a Shared Network Drive and users access a "shortcut" to launch CAPRI or if your users access CAPRI via CPRS, the following MUST be performed to allow users to view PDF files from DAS. Users will receive the following error if this is not done.
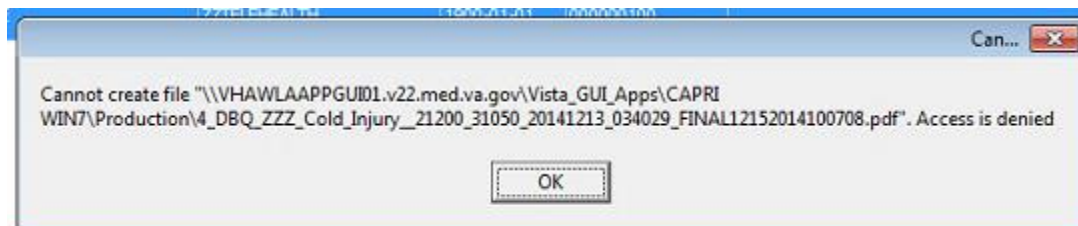

Figure 10. CAPRI Shortcut Launch Error

If the "Start In" folder for CAPRI shortcut at your site is a read-only only folder, it should be changed to a writable folder. This is the folder where documents from VLER DAS are stored temporarily for users to view documents (ex: PDF).

Our recommendation is to use %TEMP% as the default starting directory. This can be set in the shortcut that is used to launch CAPRI.

- Right-click on the (desktop) CAPRI shortcut, select Properties.

- On the Shortcut tab, in the Start in field, enter %TEMP%.

- Click OK.

- Now, when launching CAPRI, it will be able to write temporary files such as Word documents or PDFs to the temporary directory, and CAPRI will be able to display those files to the user.

NOTE: This temp directory change only fixes the "access denied" problem when CAPRI is launched directly from a shortcut.
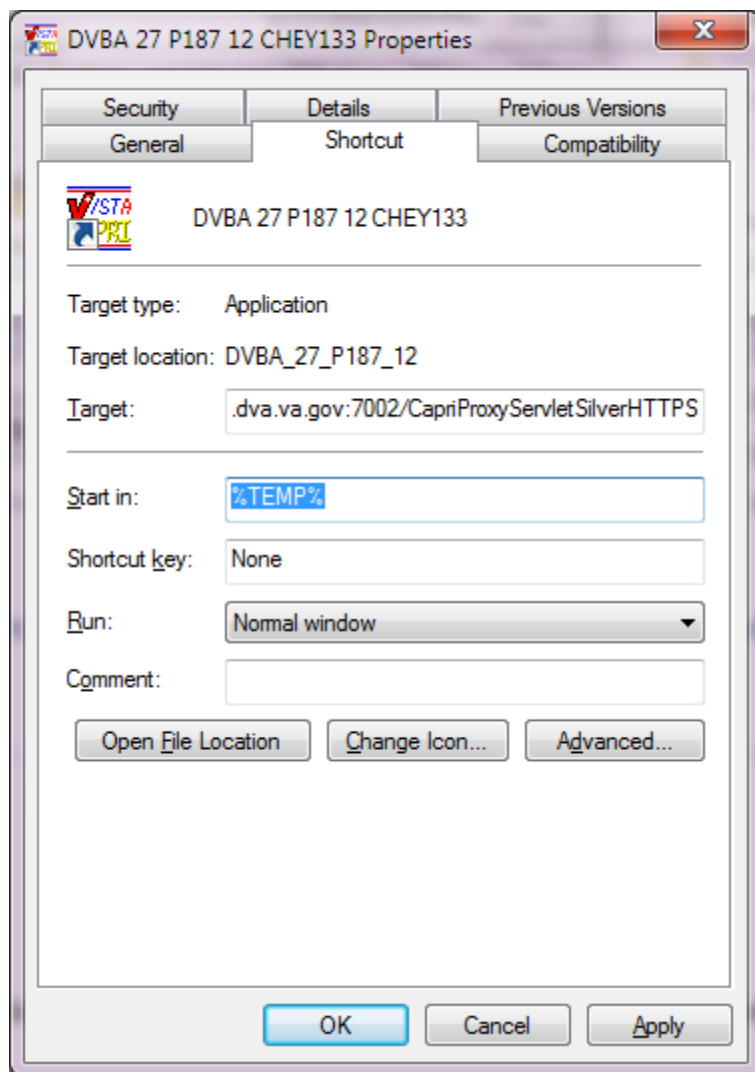

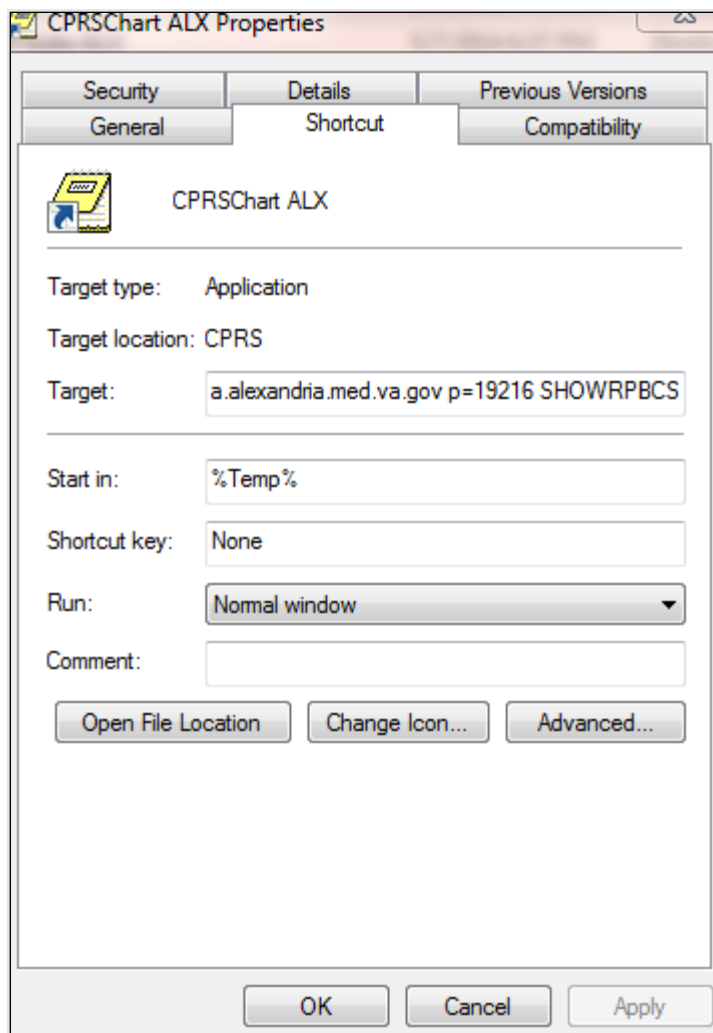**Figure 11. Example of Starting CAPRI from a TEMP Directory Location**

Figure 12. Example of CAPRI accessed via CPRS

Benefits:

1. Each user is guaranteed by Windows to have a unique writable folder.
2. It is a known environment variable and also guaranteed to exist in any environment.
3. Due to VA GPO Policy, this folder gets cleared on logon / logoff, hence no disk space impact is caused.

4.10.3 CAPRI Graphical User Interface (GUI) Verification Procedure

During the launch process of CAPRI, a splash screen displays indicating the version of the GUI being utilized.

Figure 13. CAPRI Splash Screen

Users can also verify the version of the CAPRI GUI by selecting Help on the CAPRI menu, and then selecting About.
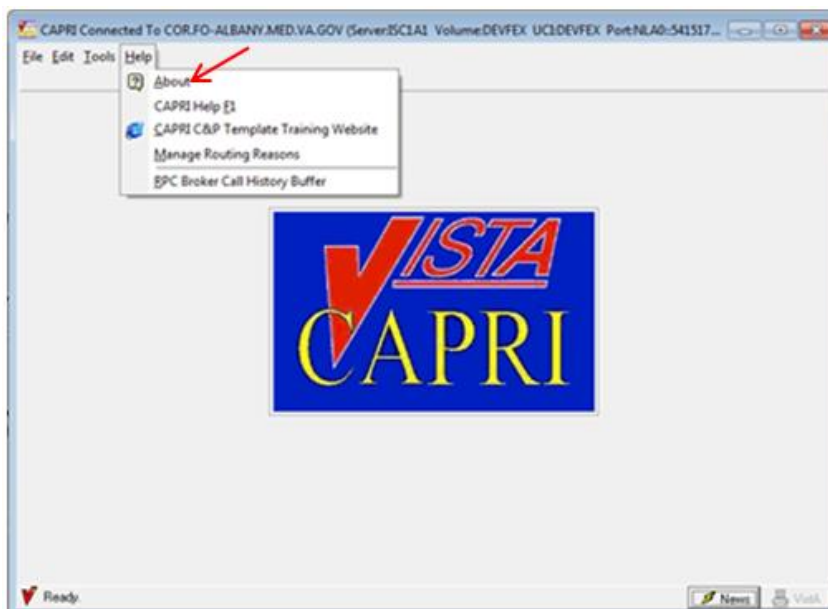

Figure 14. CAPRI Help Menu

Figure 15. CAPRI About Splash Screen

4.11   Back-Out

Back-out Procedures are only needed if there are major problems (examples include the KIDS notice of incompletion or hard errors) resulting from the installation of this patch. Log a ServiceNow helpdesk ticket so the development team can assist in this process.

4.12   Rollback Procedure

N/A

4.13   Rollback Considerations

N/A

4.14   Rollback Criteria

N/A

4.15   Rollback Risks

N/A

4.16   Authority for Rollback

N/A